

Cross-Reference to Related Applications

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This application is a divisional of the co-pending, commonly assigned, United States Patent Application Serial No.: 09/712,495, filed on November 14, 2000, which is a divisional of U.S. Patent Application Serial No.: 09/062,440, filed on, April 17, 1998, which issued as U.S. Patent Number 6,207,422 B1; on March 27, 2001.

Page 8, line 5, through page 9, line 11.

In another embodiment, the polynucleotide encodes for variants of KChAP protein, wherein the variants have the following sequence:

Q2

20050420

MKIKELYRRR FPRKTLGPSD LSLSLPPGT SPVGSPXaPLA XaIPPTLLXaPG
TLLGPKREVD MHPPLPQPVH PDVTMKPLPF YEVYGELIRP TTLASTSSQR;
FEEAHFTFAL TPQQXaQQILT SREVLPGA KC DYTIQVQLRF CLCETSCPQE;
DYFPPNLFVK VNGKLCPLPG YLPPTKNGAE PKRPSRPINI TPLARLSATV;
PNTIVVNWSS EFGRNYSLSV YLVRQLTAGT LLQKLRAKGI RNP DHSRALI;
KEKLTADPDS EVATTSLRVS LMCPLGKMRL TVPCRALTCA HLQSFDAALY;
LQMNEKKPTW TCPVCDKKAP YESLIIDGLF MEILXaSCSDC DEIQFMEDGS;
WCPMKPKKEA SEVCPPPGYG LDGLQYSPVQ XaGXaPSENKKXa VEVIDLTIES;
SSDEEDLPP TKKH CXaVTSA AIPALPGSKG XaLTSGHQ PSS VLRSPAMGTLG;
XaDFLSSLPLH EYPPAFPLGA DIQGLDLFSF LQTESQH YXaP SVITSLDEQD;
XaLGHFFQXaRG TPXaHFLGPLA PTLGSSH XaSA TPAPXaPGRVS SIVAPGXaXaLR;
EGHGGPLPSG PSLTGCRSDI XaSLD, SEQ ID NO: 6;
wherein the amino acid Xa at position 37 is glycine or serine;
the amino acid Xa at position 41 is proline or serine;
the amino acid Xa at position 48 is alanine or threonine;
the amino acid Xa at position 115 is valine or leucine;
the amino acid Xa at position 335 is serine or asparagine;
the amino acid Xa at position 381 is glycine or glutamic acid;
the amino acid Xa at position 383 is aspartic acid or asparagine;